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NOTICE OF ALLOWANCE AND FEE(S) DUE

33727

7590

02/26/2009

HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195 EXAMINER

PALABRICA, RICARDO J

ART UNIT PAPER NUMBER

3663

DATE MAILED: 02/26/2009

10/608,086 06/30/2003 William Earl Russell II 24GA5998-7 8107

TITLE OF INVENTION: SYSTEM AND METHOD FOR CONTINUOUS OPTIMIZATION OF CONTROL-VARIABLES DURING OPERATION OF A NUCLEAR REACTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

	ENCE ADDRESS (Note: Use Blo	, ,	Fee(s) Transmittal. This	certif	cate cannot be used for	r domestic mailings of to or any other accompanying or formal drawing, m
HARNESS, DI P.O. BOX 8910 RESTON, VA 20	7590 02/26, ICKEY & PIERCI 0195		I her State addr trans	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the States Postal Service with sufficient postage for first class mail in an addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO (571) 273-2885, on the date indicated below			
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/608,086 TITLE OF INVENTION NUCLEAR REACTOR	06/30/2003 : SYSTEM AND METH	HOD FOR CONTINUOU	William Earl Russell II US OPTIMIZATION OF C	ONTROL-VARIAE		24GA5998-7 DURING OPERATIO	8107 ON OF A
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	05/26/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
PALABRICA,	, RICARDO J	3663	376-215000	'			
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
recordation as set fortl (A) NAME OF ASSIC	h in 37 CFR 3.11. Comp GNEE	oletion of this form is NO	T a substitute for filing an a	assignment. and STATE OR CC	OUNT	RY)	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit care The Director is hereby overpayment, to Depos	d. Form PTO-2038	is atta	ched.	
NOTE: The Issue Fee and	s SMALL ENTITY statu d Publication Fee (if requ	is. See 37 CFR 1.27.	b. Applicant is no long	, ,			
interest as shown by the r	records of the United Sta	tes Patent and Trademark	Office.			-	
Authorized Signature			Date				
Typed or printed name			Registration No.				
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary den. should be sent to th	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	imated to take 12 m idual case. Any con r. U.S. Patent and T	inutes nment radem	to complete, including s on the amount of tin tark Office, U.S. Depa	g gathering, preparing, a ne you require to comple rtment of Commerce, P.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/608,086	06/30/2003	William Earl Russell II	24GA5998-7	8107	
33727 75	590 02/26/2009		EXAMINER		
HARNESS, DIC	KEY & PIERCE, P.I	C.	PALABRICA, RICARDO J		
P.O. BOX 8910			ART UNIT	PAPER NUMBER	
RESTON, VA 201	95		3663		
			DATE MAILED: 02/26/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 779 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 779 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/609 096	RUSSELL ET AL.	
Notice of Allowability	10/608,086 Examiner	Art Unit	
	Diale Dalahaina	2002	
	Rick Palabrica	3663	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED (5) or other appropriate comining RIGHTS. This application is	in this application. If not included munication will be mailed in due cours	
1. \boxtimes This communication is responsive to <u>2/10/05 Amendment</u>	<u>nt</u> .		
2. ☑ The allowed claim(s) is/are <u>31-41</u> .			
 3. ☐ Acknowledgment is made of a claim for foreign priority a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents ha) or (f).	
2. Certified copies of the priority documents ha	ive been received in Applica	tion No	
3. Copies of the certified copies of the priority of	documents have been receiv	red in this national stage application fr	om the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ile a reply complying with the requirer	nents
 A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g 			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") m	nust be submitted.		
(a) ☐ including changes required by the Notice of Draftspe	erson's Patent Drawing Revi	ew (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	<u></u> ,		
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	er's Amendment / Comment	or in the Office action of	
ldentifying indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such i) of
 DEPOSIT OF and/or INFORMATION about the department department regarding REQUIREMEN 			he
Attachment(s)	5 		
1. Notice of References Cited (PTO-892)		Informal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948 Information Disclosure Statements (PTO/SB/08), 	Paper N	Summary (PTO-413), b./Mail Date 's Amendment/Comment	
Paper No./Mail Date			
 Examiner's Comment Regarding Requirement for Deposi of Biological Material 		's Statement of Reasons for Allowand	e
	9. Other		
/Rick Palabrica/	February 12,	2009	
Primary Examiner, Art Unit 3663			